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REMARKS

Claims 1-23 were pending in the application. Claims 1, 2, and 12 have been amended. Claims 3-11 and 13-23 have been canceled. New claims 24-27 have been added. Favorable reconsideration of the application, as amended, is respectfully requested.

I SPECIFICATION

The specification has been amended to:

1. Remove reference to reference number 66.
2. Correct duplicate use of reference numeral 36 for both the VOIP Gateway and the Speaker. The Speaker is now reference numeral 39.
3. Correct duplicate use of reference numeral 24. The local area network is now reference numeral 13.
4. Add reference numerals 42, 44, 48 and 62 to the corresponding elements.
5. Correct typographical errors.

No New Matter has been added.

II OBJECTION TO THE DRAWINGS

The drawings are objected to for failing to show items corresponding to reference numerals 66, 68, 42, 44, 48 and 62.

Reference numeral 66 has been deleted from the specification. Reference numerals 68, 42, 44, 48 and 62 have been added to the drawings and correspondence with the text.

No New Matter has been added.

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III CLAIM OBJECTIONS

Claims 1-23 are objected to for including reference numerals not included in the text. The reference numerals have been deleted from the claims and added to the text. Use of the term VOIP is recited as an actual phrase where first used.

IV REJECTION OF CLAIMS UNDER 35 USC § 112

Claims 15-23 are rejected under 35 USC 112.

Claims 15-23 have been canceled.

V. REJECTION OF CLAIMS UNDER 35 USC § 103

Claims 1-23 have been rejected under 35 USC 103(a) as being unpatentable over US Patent 7,058,171 to Ouchi in view of US Patent 7,190,771 to Veschi in further view of US Patent 6,665,275 to Forlenza.

Claims 1, 2 and 12 have been amended. Claims 3-11 and 13-23 have been canceled. New claims 24-27 have been added.

The examiner relies on Ouchi as teaching a VoIP telephone with several elements of the applicant's invention as recited in claim 1. The examiner acknowledges that Ouchi does not indicate that information on the display is based on status signals detected from received in-band signaling.

The examiner relies on Veschi as a teaching of detecting ring and signaling (ring) by checking for distinct frequencies. Veschi teaches routing of the ring through a computer's speaker rather than a headset. Veschi does not teach any display of any indication of the ring status on a display.

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The examiner relies on Forlenza as teaching a look-up table for associating audible status information to visual status information for display.

Claim 1

Veschi teaches a routing circuit which routes the voice band to either a computer speaker or headset dependent on whether the two specific ring frequencies exist in the voice band. This circuit solely routs voice band based on frequency for purposes of making the ring single audible through the main speakers of a computer.

The applicant's invention, as described in amended claim 1 includes a novel signal detection module not taught nor suggested by Veschi nor Ouchi, Forlenza or the other art of record.

The novel signal detection module specifically includes an interpreter circuit, a frequency detection circuit, a cadence detection circuit, and a phase shift detection circuit.

1. The frequency detection circuit is adapted to provide an indication of frequency patterns detected within the remote voice band to the interpreter circuit.
2. The cadence detection circuit is adapted to provide an indication of cadence patterns detected within the remote voice band to the interpreter circuit;
3. The phase shift detection circuit is adapted to provide an indication of phase shift patterns detected within the remote voice band.
4. The interpreter circuit is adapted to:
 - a. utilize a first table (Figure 3) to generate a session status signal matching a combination of the frequency patterns, the cadence patterns and the phase shift patterns; and
 - b. provide the session status signal to a presentation module.

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The presentation module as defined in amended claim 1 comprises a message look up table (Figure 3) which is adapted to store a plurality of session status messages, each in association with a session status signal.

The presentation module is adapted to: i) receive the session status signal; ii) look up, in the message look up table, the session status message the corresponds to the session status signal; and iii) drive a display of the session status message on a display screen.

Claim 2

Claim 2 depends from claim 1 and is distinguishable over Veschi, Ouchi, Forlenza or the other art of record for at least the same reasons. Further, claim 2 further specifies additional limitations of the novel signal detection module – further distinguishing claim 2 over Veschi, Ouchi, Forlenza or the other art of record.

Claim 12 and New Claims 24-27

Claims 12 and 24-27 depend from claim 2 and are distinguishable over Veschi, Ouchi, Forlenza or the other art of record for at least the same reasons. Further, the recited elements of each claim offer further distinguishing claim 2 over Veschi, Ouchi, Forlenza or the other art of record.

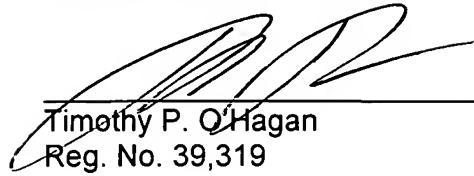
VI. CONCLUSION

Accordingly, Claims 1, 2, 12, and 24-27 are believed to be allowable and the application is believed to be in condition for allowance. A prompt action to such end is earnestly solicited.

Should the Examiner feel that a telephone interview would be helpful to facilitate favorable prosecution of the above-identified application, the Examiner is invited to contact the undersigned at the telephone number provided below.

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Respectfully submitted,



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